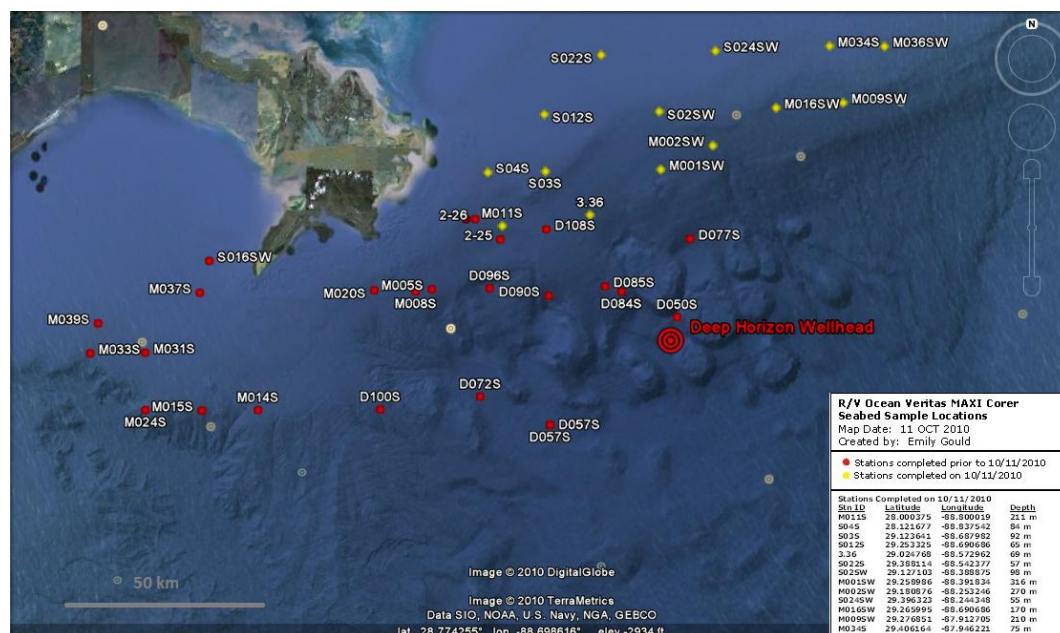


<i>Seabed Sampling and Baited Camera Operations</i>	
Vessel	R/V Ocean Veritas
Summary Report Number	11
Operating equipment	MAXI Corer (8 core unit)
Date	11 October 2010
Completed casts (12 hr)	13
Report compiled by	Emily Gould

Seabed Sampling Locations



All cores were processed and stored in accordance with SOPOV01. GC/MS and Microtox™ toxicology testing was planned to be conducted offshore, however outstanding supplies meant that this was not possible. Samples were prepared and stored for hydrocarbon, trace metal, BTEX, grainsize, total inorganic carbon, total organic carbon, meiofauna and macrofauna testing and analysis onshore. Collection of hydrocarbon archive samples (0-3cm) from VA cores was resumed.

The core tube is 60 cm in length with an internal diameter of 10 cm. Typical sample recovery from the core is as follows:

Supernatant water: length = 15 cm, volume = 1178 cm³

Sediment: length = 45 cm, volume = 3534 cm³

Station M011S

Lat: 28.000375

Long: -88.800019

Cores recovered: 8 of 8

Supernatant water

Recovery: 12.5 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 47.5 cm

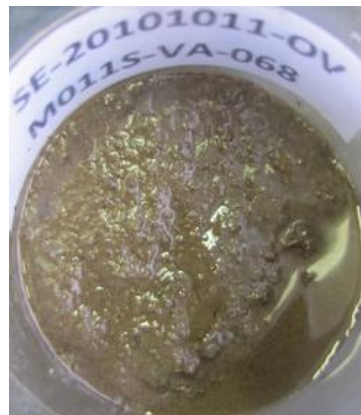
Visible contamination: None

Olfactible contamination: None

Description: Dark olive grey, very soft, laminated fine silt, becoming black, and soft.

Biota: None.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station S04S

Lat: 28.121677

Long: -88.837542

Cores recovered: 8 of 8

Supernatant water

Recovery: 13 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 47 cm

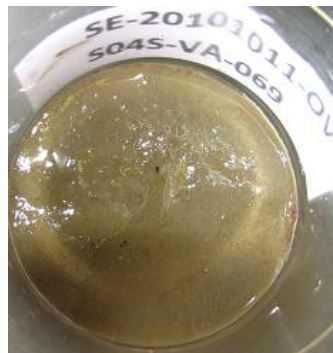
Visible contamination: None

Olfactible contamination: None

Description: Olive, very soft to soft, homogenous fine silt.

Biota: None.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station S03S

Lat: 29.123641

Long: -88.687982

Cores recovered: 8 of 8

Supernatant water

Recovery: 14 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 46 cm

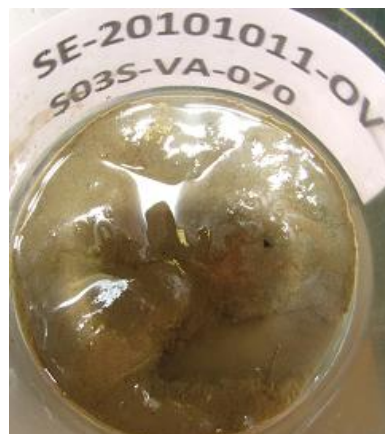
Visible contamination: None

Olfactible contamination: None

Description: Olive, very soft, homogenous, fine silt.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station S012S

Lat: 29.253325

Long: -88.690686

Cores recovered: 8 of 8

Supernatant water

Recovery: 17 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 43 cm

Visible contamination: None

Olfactible contamination: None

Description: Dark olive grey, very soft, homogenous fine silt.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station 3.36

Lat: 29.024768

Long: -88.572962

Cores recovered: 8 of 8

Supernatant water

Recovery: 15 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 45 cm

Visible contamination: None

Olfactible contamination: None

Description: Dark olive grey, soft, homogenous, silty sand.

Biota: Polychaetes.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station S022S

Lat: 29.388114

Long: -88.542377

Cores recovered: 8 of 8

Supernatant water

Recovery: 21 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 39 cm

Visible contamination: None

Olfactible contamination: None

Description: Dark olive grey, very soft, homogenous fine silt, becoming soft.

Biota: Polychaetes.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station S02SW

Lat: 29.127103

Long: -88.388875

Cores recovered: 8 of 8

Supernatant water

Recovery: 30.5 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 29.5 cm

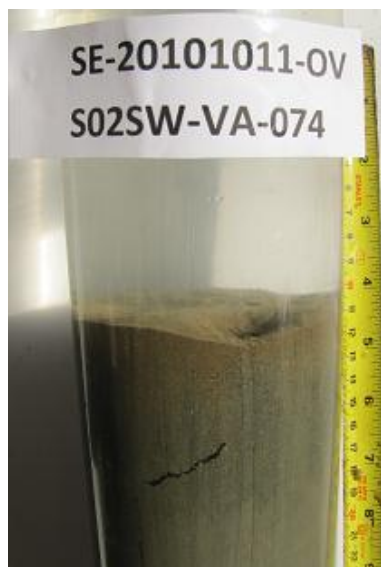
Visible contamination: None

Olfactible contamination: None

Description: Olive grey, soft, homogenous sandy silt.

Biota: Polychaetes.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station M001SW

Lat: 29.258986

Long: -88.391834

Cores recovered: 7 of 8

Supernatant water

Recovery: 16.5 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 43.5 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive grey, soft, homogenous silty clay.

Biota: None.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station M002SW

Lat: 29.180876

Long: -88.253246

Cores recovered: 8 of 8

Supernatant water

Recovery: 15 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 45 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive, soft, homogenous silty clay.

Biota: Bivalve, worms.

Top 10 cm removed for Macrofauna analysis prior to core extrusion.



Station S024SW

Lat: 29.396323

Long: -88.2444348

Cores recovered: 4 of 8

Supernatant water

Recovery: 50 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 10 cm

Visible contamination: None

Olfactible contamination: None

Description: Very dark grey, firm, homogenous, sandy clay.

Biota: None.



Station M016SW

Lat: 29.265995

Long: -88.690686

Cores recovered: 8 of 8

Supernatant water

Recovery: 13 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 47 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive grey, very soft, homogenous silty clay, becoming soft.

Biota: Crab, worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station M009SW

Lat: 29.276851

Long: -87.912705

Cores recovered: 8 of 8

Supernatant water

Recovery: 21 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 39 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive grey, very soft, homogenous silty clay, quickly becoming firm.

Biota: Worm tubes.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station M034S

Lat: 29.401664

Long: -87.946221

Cores recovered: 8 of 8

Supernatant water

Recovery: 30 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 30 cm

Visible contamination: None

Olfactible contamination: None

Description: Dark olive grey, firm to stiff, homogenous sandy clay.

Biota: Gastropods, worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.

